



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OHIO 45268

October 23, 2012

Tim Hoffman - Owner
Dinsmore & Shohl LLP
2015 and 2019 Dryden Road
Moraine, Ohio 45439

Don Overstreet - Tenant
Overstreet Painting
2019 Dryden Road
Moraine, Ohio 45439

Dear Messrs. Hoffman and Overstreet:

Re: Summary of Results from 2012 Vapor Intrusion Study
South Dayton Dump and Landfill Site – Overstreet Painting (Buildings 12 & 13)

The United States Environmental Protection Agency (U.S. EPA) prepared this letter to inform you of the results of the sub-slab (space under your building floor) and indoor air samples collected from your property in 2012. Samples were collected in 2012 as part of the vapor intrusion (VI) investigation at the South Dayton Dump and Landfill (SDDL) Site. Conestoga-Rovers & Associates (CRA) collected these samples to determine if solvent- or petroleum-related compounds (see Table 1) are present in soil vapor beneath the foundations and in the indoor air of your property at concentrations which exceed sub-slab and/or indoor air VI screening levels, as established by the Ohio Department of Health (ODH).

VI is the migration of volatile chemicals from the subsurface into overlying buildings. VI is a potential concern at any building, existing or planned, located near soil, groundwater, or soil vapor containing solvent- or petroleum-related compounds that may volatilize or chemicals that are combustible.

The samples were collected by CRA and submitted to TestAmerica Inc. CRA received and validated the results of the laboratory analysis and submitted those results to the U.S. EPA.

The ODH has recommended the screening levels for sub-slab and indoor air samples. The screening levels represent concentrations of a substance that are unlikely to cause harmful (adverse) health effects in exposed people. Detections in indoor air below these levels are not of a health concern. A summary of the analytical results and comparisons to the ODH screening levels can be found in Table 1.

Compounds detected at concentrations greater than the ODH screening levels from sub-slab and indoor air samples are presented below. All of the air samples are measured in units called parts per billion by volume (ppbv). A map identifying each sample location within your building(s) can be found in **Attachment A**.

TABLE 1
SUMMARY OF 2012 SAMPLING RESULTS
FOR
OVERSTREET PAINTING

Building / Probe	Sampling Date	Sample Type	Parameter	ODH Screening Level (ppbv)	Detected Concentration (ppbv)
Building 12 Probe A	1-6-12	Sub-slab	Cis-1,2-DCE TCE	370 20	570 2,400
Building 12 Probe B	1-6-12	Sub-slab	Cis-1,2-DCE TCE	370 20	440 2,800
Building 12 Probe A	3-15-12	Sub-slab	Cis-1,2-DCE TCE	370 20	920 2,600
Building 12 Probe B	3-15-12	Sub-slab	Cis-1,2-DCE TCE	370 20	770 5,400
Building 12 Probe A	3-15-12	Indoor air	Benzene ^[A] TCE	2 2	9.7 5.0
Building 12 Probe B	3-15-12	Indoor air	Benzene ^[A] TCE	2 2	14 5.6
Building 13 Probe A	1-9-12	Sub-slab	TCE	20	240
Building 13 Probe A	3-15-12	Sub-slab	TCE	20	740
Building 13 Probe A	3-15-12	Indoor air	Benzene ^[A] Naphthalene ^[A]	2 2.9	29 3.3 J

Notes:

J – Estimated Quantity

DCE – Dichloroethene

TCE – Trichloroethene

[^A] – This compound was not detected in the adjacent sub-slab soil vapor sample, indicating that the indoor air concentration is not due to vapor intrusion

What do these results mean?

On March 15, 2012, the chemical trichloroethene (TCE) was observed in a sub-slab sample collected in Building 12 at a concentration as high as 5,400 ppbv. This result exceeds the ODH TCE sub-slab screening level of 20 ppbv. The chemical TCE was also observed in an indoor air sample at a concentration as high as 5.6 ppbv. This result exceeds the ODH TCE indoor air screening level of 2 ppbv. These results confirm that vapor intrusion is occurring in Building 12.

On March 15, 2012, the chemical TCE was observed in a sub-slab sample collected in Building 13 at a concentration of 740 ppbv. This result exceeds the ODH TCE sub-slab

screening level of 20 ppbv. The chemical TCE was not observed in the indoor air sample collected in Building 13 at a concentration greater than the ODH TCE indoor air screening level of 2 ppbv. These results show that at the time of the sampling event, vapor intrusion has not been documented in Building 13, but that there is the potential for vapor intrusion to occur in the future.

Based on the TCE laboratory results of the sub-slab and indoor air samples collected from Building 12 and Building 13, the U.S. EPA and ODH conclude that there is a potential public health threat posed by TCE vapor intrusion. U.S. EPA will be contacting you in the near future to discuss mitigation options for your property as part of the SDDL Site removal action.

Although some compounds were detected in indoor air samples at concentrations greater than ODH screening levels (i.e., indoor air benzene concentrations in Building 12, and indoor air benzene and naphthalene concentrations in Building 13), these compounds were not detected in the co-located sub-slab soil vapor samples, indicating that the indoor air concentrations are not due to vapor intrusion.

The U.S. EPA and ODH would like to take this opportunity to thank you for participating in this important investigation.

If you have health-related questions, please contact Dr. Bob Frey at the ODH at 614-466-1069. If you have questions related to the sampling or on-going site investigation, please visit our website at www.epaosc.org/southdaytonedumpsite or contact me at 513-569-7539.

Sincerely,



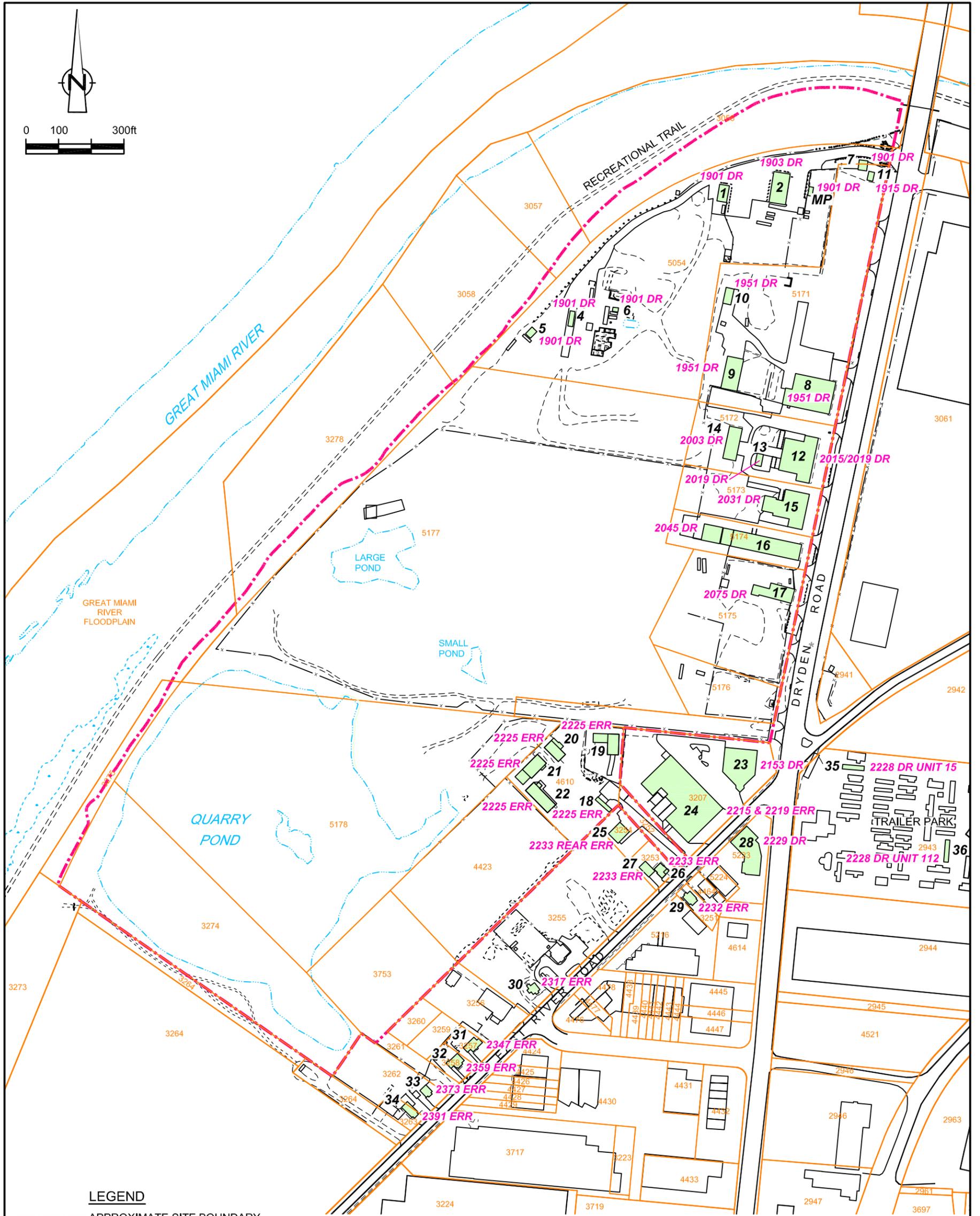
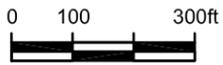
Steven L. Renninger
On-Scene Coordinator
U.S. EPA Region 5

Attachments:

- A – Sample Location Map
- B – Validated Analytical Results

cc: Leslie Patterson - U.S. EPA Remedial Program Manager
Laura Marshall - Ohio EPA, Site Coordinator
Adam Loney, CRA
Tina Ortiz – Mark Fornes Realty, Inc.
Site File

ATTACHMENT A
SAMPLE LOCATION MAP



LEGEND

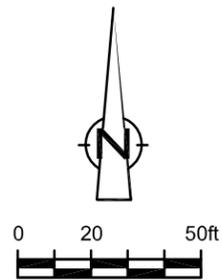
- - - - - APPROXIMATE SITE BOUNDARY
- - - - - EDGE OF WATER
- - - - - PARCEL BOUNDARY
- ERR** EAST RIVER ROAD
- DR** DRYDEN ROAD
- 3263 PARCEL NUMBER
- 1** USEPA REMOVAL PROGRAM BUILDING NUMBER
- 2391 ERR ADDRESS

NOTE: 1901 DRYDEN ROAD PARCEL 5054 BUILDING 3 WAS DEMOLISHED IN FEBRUARY 2012.

**MITIGATION SUMMARY DATABASE BUILDING NUMBERS
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio**



SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE,
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008



LEGEND

- APPROXIMATE SITE BOUNDARY
- PARCEL BOUNDARY
- SUB SLAB SOIL VAPOUR BUILDING LOCATION
- MW-202 MONITORING WELL LOCATION
- ▲ VAS01 VAS SAMPLING LOCATION
- ⊙ SUB SLAB SOIL VAPOR SAMPLE LOCATION
- △ INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION



PROFILE VIEW
N.T.S.

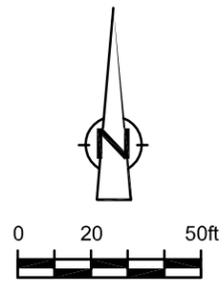


Building Characteristics:
 Single story, industrial-use building, constructed in the 1950s. Divided into two equal sections, north and south sides. Total footprint is 11,600 sq. ft. Approximately 16 ft high. Slab-on grade, concrete block building with brick front. Exterior openings - windows, utility pipe penetrations, bay doors, personnel doors. Not insulated, average air tightness, weather seals in fair condition. North side is the S&J Precision building. See figure 27.
 South side is the Overstreet Painting building. Commercial-use storage building. Primarily paint and vehicle storage with vehicle detailing space. Bare concrete floor with cracks. Heating provided by forced air natural gas furnace ceiling unit. No A/C. No regular occupancy - storage only.

PARCEL 5172 - OVERSTREET PAINTING BUILDING 12
2019 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio



SOURCES:
 THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
 TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
 CITY OF MORAINÉ.
 ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008



LEGEND

- APPROXIMATE SITE BOUNDARY
- PARCEL BOUNDARY
- SUB SLAB SOIL VAPOUR BUILDING LOCATION
- MW-202 ● MONITORING WELL LOCATION
- VAS01 ▲ VAS SAMPLING LOCATION
- SUB SLAB SOIL VAPOR SAMPLE LOCATION
- △ INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION



PROFILE VIEW
N.T.S.

Building Characteristics:
Single-story storage building. Footprint is 900 sq. ft. Primarily storage of painting supplies and scaffolding. Concrete block building with concrete floor. Floor is in good condition with no cracks and no drains. Not insulated with average air tightness, weather seals in fair condition. Heating provided by forced air natural gas furnace ceiling units, no A/C. Exterior openings - garage door, and personnel door. No regular occupancy - storage only. Rubber and dust odors in building.

PARCEL 5172 - OVERSTREET PAINTING BUILDING 13
2019 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio



SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

ATTACHMENT B
VALIDATED ANALYTICAL RESULTS

TABLE 1
SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>	<i>Building 12 / A Overstreet</i>	<i>Building 12 / A Overstreet</i>	<i>Building 12 / B Overstreet</i>	<i>Building 12 / B Overstreet</i>			
<i>Sample Location:</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>			
<i>Sample Date:</i>	<i>1/6/2012</i>	<i>3/15/2012</i>	<i>1/6/2012</i>	<i>3/15/2012</i>			
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>	<i>ODH Sub-Slab Action Levels (Non-residential)</i>				
		<i>a</i>	<i>b</i>				
<i>Volatile Organic Compounds</i>							
1,1,1-Trichloroethane	ppb	NC	NC	8.7 J	13 J	5.2 U	6.8 U
1,1,2,2-Tetrachloroethane	ppb	NC	NC	6.0 U	4.2 U	5.9 U	14 U
1,1,2-Trichloroethane	ppb	NC	NC	2.9 U	3.7 U	2.8 U	12 U
1,1-Dichloroethane	ppb	160	1600	5.3 U	5.8 J	5.2 U	5.9 U
1,1-Dichloroethene	ppb	NC	NC	4.5 U	2.2 U	4.4 U	7.2 U
1,2,4-Trichlorobenzene	ppb	NC	NC	7.5 U	6.8 U	7.4 U	22 U
1,2,4-Trimethylbenzene	ppb	NC	NC	7.8 U	4.4 U	7.7 U	14 U
1,2-Dibromoethane (Ethylene dibromide)	ppb	NC	NC	2.7 U	3.0 U	2.7 U	10 U
1,2-Dichlorobenzene	ppb	NC	NC	7.2 U	4.8 U	7.1 U	16 U
1,2-Dichloroethane	ppb	NC	NC	4.7 U	3.3 U	4.6 U	11 U
1,2-Dichloroethene (total)	ppb	NC	NC	640	-	480	-
1,2-Dichloropropane	ppb	NC	NC	2.1 U	3.6 U	2.1 U	12 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ppb	NC	NC	4.8 U	2.2 U	4.7 U	7.2 U
1,3,5-Trimethylbenzene	ppb	NC	NC	7.7 U	4.5 UJ	7.5 U	15 UJ
1,3-Butadiene	ppb	NC	NC	1.5 U	4.4 U	1.5 U	14 U
1,3-Dichlorobenzene	ppb	NC	NC	6.6 U	4.5 U	6.5 U	15 U
1,4-Dichlorobenzene	ppb	NC	NC	6.6 U	4.4 U	6.5 U	14 U
1,4-Dioxane	ppb	NC	NC	13 U	5.5 U	13 U	18 U
2,2,4-Trimethylpentane	ppb	NC	NC	5.4 U	2.7 U	5.3 U	8.8 U
2-Butanone (Methyl ethyl ketone) (MEK)	ppb	NC	NC	2.6 U	14 U	2.5 U	45 U
2-Chlorotoluene	ppb	NC	NC	7.1 U	4.4 U	7.0 U	14 U
2-Hexanone	ppb	NC	NC	5.9 U	4.0 U	5.8 U	13 U
2-Phenylbutane (sec-Butylbenzene)	ppb	NC	NC	7.1 U	4.4 U	7.0 U	14 U
4-Ethyl toluene	ppb	NC	NC	6.9 U	4.6 U	6.8 U	15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppb	NC	NC	3.9 U	3.1 U	3.8 U	10 U
Acetone	ppb	NC	NC	6.8 U	97 U	6.7 U	320 U
Allyl chloride	ppb	NC	NC	2.9 U	3.3 U	2.8 U	11 U
Benzene	ppb	20	200	2.7 U	3.9 U	2.7 U	13 U
Benzyl chloride	ppb	NC	NC	6.9 U	5.4 U	6.8 U	18 U

TABLE 1
SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>			<i>Building 12 / A Overstreet</i>	<i>Building 12 / A Overstreet</i>	<i>Building 12 / B Overstreet</i>	<i>Building 12 / B Overstreet</i>	
<i>Sample Location:</i>			<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	
<i>Sample Date:</i>			<i>1/6/2012</i>	<i>3/15/2012</i>	<i>1/6/2012</i>	<i>3/15/2012</i>	
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>					
		<i>a</i>		<i>b</i>			
Bromodichloromethane	ppb	NC	NC	4.2 U	3.0 U	4.1 U	10 U
Bromoform	ppb	NC	NC	2.9 U	3.3 U	2.8 U	11 U
Bromomethane (Methyl bromide)	ppb	NC	NC	1.8 U	2.2 U	1.8 U	7.2 U
Butane	ppb	NC	NC	1.7 U	12 J	1.6 U	14 U
Carbon disulfide	ppb	NC	NC	9.9 U	2.1 U	9.8 U	7.0 U
Carbon tetrachloride	ppb	NC	NC	5.0 U	2.6 UJ	4.9 U	8.6 UJ
Chlorobenzene	ppb	NC	NC	3.0 U	3.4 U	3.0 U	11 U
Chlorodifluoromethane	ppb	NC	NC	5.1 U	2.6 U	5.0 U	8.4 U
Chloroethane	ppb	NC	NC	2.4 U	2.4 U	2.4 U	7.9 U
Chloroform (Trichloromethane)	ppb	800	8000	51	66	71	110
Chloromethane (Methyl chloride)	ppb	NC	NC	2.0 U	11 U	1.9 U	36 U
cis-1,2-Dichloroethene	ppb	370	3700	570*	920*	440*	770*
cis-1,3-Dichloropropene	ppb	NC	NC	2.4 U	5.1 U	2.4 U	17 U
Cyclohexane	ppb	NC	NC	5.9 U	2.8 U	5.8 U	9.1 U
Cymene (p-Isopropyltoluene)	ppb	NC	NC	7.2 U	3.9 U	7.1 U	13 U
Dibromochloromethane	ppb	NC	NC	3.2 U	2.9 U	3.1 U	9.5 U
Dichlorodifluoromethane (CFC-12)	ppb	NC	NC	5.7 U	4.7 U	5.6 U	15 U
Ethylbenzene	ppb	2500	25000	3.3 U	4.7 U	3.3 U	15 U
Hexachlorobutadiene	ppb	NC	NC	9.8 U	5.4 U	9.6 U	18 U
Hexane	ppb	NC	NC	3.9 U	2.2 U	3.8 U	7.2 U
Isopropyl alcohol	ppb	NC	NC	5.6 U	3.0 U	5.5 U	10 U
Isopropyl benzene	ppb	NC	NC	4.7 U	4.2 U	4.6 U	14 U
m&p-Xylenes	ppb	2000	20000	7.2 U	8.3 U	7.1 U	27 U
Methyl methacrylate	ppb	NC	NC	2.0 U	5.5 U	1.9 U	18 U
Methyl tert butyl ether (MTBE)	ppb	NC	NC	2.4 U	12 U	2.4 U	38 U
Methylene chloride	ppb	NC	NC	6.6 J	3.1 U	6.3 J	10 U
Naphthalene	ppb	29	NC	13 U	6.2 U	13 U	20 U
N-Butylbenzene	ppb	NC	NC	8.3 U	3.2 U	8.1 U	10 U
N-Decane	ppb	NC	NC	-	-	-	-
N-Dodecane	ppb	NC	NC	-	-	-	-
N-Heptane	ppb	NC	NC	1.5 U	3.3 U	1.5 U	11 U
Nonane	ppb	NC	NC	-	-	-	-
N-Propylbenzene	ppb	NC	NC	7.5 U	3.9 U	7.4 U	13 U
N-Undecane	ppb	NC	NC	-	-	-	-
Octane	ppb	NC	NC	-	-	-	-
o-Xylene	ppb	2000	20000	3.3 U	4.2 U	3.3 U	14 U
Pentane	ppb	NC	NC	-	-	-	-
Styrene	ppb	NC	NC	4.5 U	4.0 U	4.4 U	13 U
tert-Butyl alcohol	ppb	NC	NC	11 U	2.6 U	11 U	8.6 U

TABLE 1

**SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

<i>Sample Location:</i>				<i>Building 12 / A Overstreet</i>	<i>Building 12 / A Overstreet</i>	<i>Building 12 / B Overstreet</i>	<i>Building 12 / B Overstreet</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>1/6/2012</i>	<i>3/15/2012</i>	<i>1/6/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>	<i>ODH Sub-Slab Action Levels (Non-residential)</i>				
		<i>a</i>	<i>b</i>				
tert-Butylbenzene	ppb	NC	NC	7.1 U	4.6 U	7.0 U	15 U
Tetrachloroethene	ppb	250	2500	3.8 J	3.9 J	4.9 J	9.8 J
Tetrahydrofuran	ppb	NC	NC	2.7 U	4.4 U	2.7 U	14 U
Toluene	ppb	NC	NC	2.7 U	3.7 U	2.7 U	12 U
trans-1,2-Dichloroethene	ppb	NC	NC	70	130	41	82
trans-1,3-Dichloropropene	ppb	NC	NC	3.0 U	3.3 U	3.0 U	11 U
Trichloroethene	ppb	20	200	2400 ^{ab}	2600 ^{ab}	2800 ^{ab}	5400 ^{ab}
Trichlorofluoromethane (CFC-11)	ppb	NC	NC	5.1 U	1.7 U	5.0 U	5.4 U
Trifluorotrchloroethane (Freon 113)	ppb	NC	NC	1.5 U	2.1 U	1.5 U	7.0 U
Vinyl bromide (Bromoethene)	ppb	NC	NC	2.9 U	2.4 U	2.8 U	7.9 U
Vinyl chloride	ppb	20	200	4.4 U	4.9 U	4.3 U	16 U
Xylenes (total)	ppb	NC	NC	3.3 U	-	3.3 U	-
<i>Tentatively Identified Compounds (TIC) Volatiles</i>							
2-Ethyl-1-hexanol A	ppb	NC	NC	-	-	-	-
Cyclotrisiloxane, hexamethyl- A	ppb	NC	NC	-	-	-	-
Ethyl butyl ketone A	ppb	NC	NC	-	-	-	-
Propane A	ppb	NC	NC	-	-	-	-
Unknown 1	ppb	NC	NC	190 J	-	-	-
Unknown 2	ppb	NC	NC	-	-	-	-
Unknown 3	ppb	NC	NC	-	-	-	-
<i>Gases</i>							
Methane	%	0.5	0.5	-	-	-	-
<i>Field Parameter</i>							
Methane, field (unfiltered)	%	0.5	0.5	0.0 /0.0	-	0.0 /0.0	-
Methane, field (filtered)	%	0.5	0.5	-	0 /0.0	-	0 /0.0

Notes:

- J - The chemical was detected by the laboratory, the listed value is an approximate concentration
- JN or NJ - The listed value of the tentatively identified compound is an approximate concentration
- R - The presence or absence of the chemical cannot be verified
- U - The chemical was not detected in the sample at the detection limit shown.
- UJ - The chemical was not detected in the sample at the approximate detection limit shown.
- NC - No criterion
- Not applicable.
- Concentration was greater than applicable criteria.

TABLE 2
SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
VAPOR INTRUSION INVESTIGATION
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>				<i>Outdoor Air Overstreet</i>	<i>IA_A Overstreet</i>	<i>IA_B Overstreet</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>3/15/2012</i>	<i>3/15/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Indoor Air Screening Levels (Non-residential)</i>	<i>ODH Indoor Air Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
<i>Volatile Organic Compounds</i>						
1,1,1-Trichloroethane	ppb	NC	NC	0.030 U	0.030 U	0.12 U
1,1,2,2-Tetrachloroethane	ppb	NC	NC	0.061 U	0.061 U	0.24 U
1,1,2-Trichloroethane	ppb	NC	NC	0.054 U	0.054 U	0.22 U
1,1-Dichloroethane	ppb	16	160	0.026 U	0.026 U	0.10 U
1,1-Dichloroethene	ppb	NC	NC	0.032 U	0.032 U	0.13 U
1,2,4-Trichlorobenzene	ppb	NC	NC	0.098 U	0.098 U	0.39 U
1,2,4-Trimethylbenzene	ppb	NC	NC	0.063 U	2.6	9.6
1,2-Dibromoethane (Ethylene dibromide)	ppb	NC	NC	0.044 U	0.044 U	0.18 U
1,2-Dichlorobenzene	ppb	NC	NC	0.070 U	0.070 U	0.28 U
1,2-Dichloroethane	ppb	NC	NC	0.047 U	0.047 U	0.19 U
1,2-Dichloroethene (total)	ppb	NC	NC	-	-	-
1,2-Dichloropropane	ppb	NC	NC	0.052 U	0.052 U	0.21 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ppb	NC	NC	0.032 U	0.032 U	0.13 U
1,3,5-Trimethylbenzene	ppb	NC	NC	0.065 UJ	2.8 J	2.2 J
1,3-Butadiene	ppb	NC	NC	0.064 U	0.064 U	0.26 U
1,3-Dichlorobenzene	ppb	NC	NC	0.065 U	0.065 U	0.26 U
1,4-Dichlorobenzene	ppb	NC	NC	0.064 U	0.064 U	0.26 U
1,4-Dioxane	ppb	NC	NC	0.080 U	0.080 U	0.32 U
2,2,4-Trimethylpentane	ppb	NC	NC	0.064 J	21	12
2-Butanone (Methyl ethyl ketone) (MEK)	ppb	NC	NC	0.35 J	2.5	2.0 J
2-Chlorotoluene	ppb	NC	NC	0.063 U	0.063 U	0.25 U
2-Hexanone	ppb	NC	NC	0.058 U	0.16 J	0.23 U
2-Phenylbutane (sec-Butylbenzene)	ppb	NC	NC	0.064 U	0.16 J	0.26 U
4-Ethyl toluene	ppb	NC	NC	0.066 U	3.3	3.1
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppb	NC	NC	0.045 U	1.2	1.9 J
Acetone	ppb	NC	NC	2.5 J	16	23
Allyl chloride	ppb	NC	NC	0.048 U	0.048 U	0.19 U
Benzene	ppb	2	20	0.22	9.7 ^a	14 ^a

TABLE 2

**SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
VAPOR INTRUSION INVESTIGATION
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO**

<i>Sample Location:</i>				<i>Outdoor Air Overstreet</i>	<i>IA_A Overstreet</i>	<i>IA_B Overstreet</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>3/15/2012</i>	<i>3/15/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Indoor Air Screening Levels (Non-residential)</i>	<i>ODH Indoor Air Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
Benzyl chloride	ppb	NC	NC	0.078 U	0.084 J	0.31 U
Bromodichloromethane	ppb	NC	NC	0.044 U	0.044 U	0.18 U
Bromoform	ppb	NC	NC	0.048 U	0.048 U	0.19 U
Bromomethane (Methyl bromide)	ppb	NC	NC	0.032 U	0.032 U	0.13 U
Butane	ppb	NC	NC	1.1	110	130
Carbon disulfide	ppb	NC	NC	0.031 U	0.092 J	0.12 U
Carbon tetrachloride	ppb	NC	NC	0.10 J	0.084 J	0.15 UJ
Chlorobenzene	ppb	NC	NC	0.049 U	0.049 U	0.20 U
Chlorodifluoromethane	ppb	NC	NC	0.40	0.56	0.94
Chloroethane	ppb	NC	NC	0.035 U	0.035 U	0.14 U
Chloroform (Trichloromethane)	ppb	80	800	0.074 J	0.23	0.37 J
Chloromethane (Methyl chloride)	ppb	NC	NC	0.71	0.84	0.64 U
cis-1,2-Dichloroethene	ppb	37	370	0.060 U	0.35	0.37 J
cis-1,3-Dichloropropene	ppb	NC	NC	0.074 U	0.074 U	0.30 U
Cyclohexane	ppb	NC	NC	0.064 J	3.4	7.6
Cymene (p-Isopropyltoluene)	ppb	NC	NC	0.057 U	0.27	0.23 U
Dibromochloromethane	ppb	NC	NC	0.042 U	0.042 U	0.17 U
Dichlorodifluoromethane (CFC-12)	ppb	NC	NC	0.47	0.42	0.44 J
Ethylbenzene	ppb	250	2500	0.068 U	8.4	10
Hexachlorobutadiene	ppb	NC	NC	0.078 U	0.078 U	0.31 U
Hexane	ppb	NC	NC	0.27 J	17	29
Isopropyl alcohol	ppb	NC	NC	0.76 J	6.2	6.7 J
Isopropyl benzene	ppb	NC	NC	0.060 U	1.2	0.72 J
m&p-Xylenes	ppb	200	2000	0.12 U	34	37
Methyl methacrylate	ppb	NC	NC	0.079 U	0.079 U	1.1 J
Methyl tert butyl ether (MTBE)	ppb	NC	NC	0.17 U	0.17 U	0.68 U
Methylene chloride	ppb	NC	NC	0.045 U	2.3	10
Naphthalene	ppb	2.9	NC	0.090 U	0.37 J	0.89 J
N-Butylbenzene	ppb	NC	NC	0.046 U	1.1	0.82 J
N-Decane	ppb	NC	NC	-	-	-
N-Dodecane	ppb	NC	NC	-	-	-
N-Heptane	ppb	NC	NC	0.092 J	5.7	10
Nonane	ppb	NC	NC	-	-	-
N-Propylbenzene	ppb	NC	NC	0.056 U	1.9	1.9
N-Undecane	ppb	NC	NC	-	-	-
Octane	ppb	NC	NC	-	-	-
o-Xylene	ppb	200	2000	0.061 U	12	12
Pentane	ppb	NC	NC	-	-	-
Styrene	ppb	NC	NC	0.058 U	0.55	0.58 J

TABLE 2
SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
VAPOR INTRUSION INVESTIGATION
BUILDING 12 - 2015 AND 2019 DRYDEN ROAD
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>				<i>Outdoor Air Overstreet</i>	<i>IA_A Overstreet</i>	<i>IA_B Overstreet</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>3/15/2012</i>	<i>3/15/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Indoor Air Screening Levels (Non-residential)</i>	<i>ODH Indoor Air Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
tert-Butyl alcohol	ppb	NC	NC	0.038 U	0.27 J	0.84 J
tert-Butylbenzene	ppb	NC	NC	0.066 U	0.066 U	0.26 U
Tetrachloroethene	ppb	25	250	0.057 J	0.24	0.51 J
Tetrahydrofuran	ppb	NC	NC	0.063 U	0.22 J	0.25 U
Toluene	ppb	NC	NC	0.48	38	74
trans-1,2-Dichloroethene	ppb	NC	NC	0.050 U	0.066 J	0.20 U
trans-1,3-Dichloropropene	ppb	NC	NC	0.048 U	0.048 U	0.19 U
Trichloroethene	ppb	2	20	0.10 J	5.0 ^a	5.6 ^a
Trichlorofluoromethane (CFC-11)	ppb	NC	NC	0.24	0.87	0.55 J
Trifluorotrchloroethane (Freon 113)	ppb	NC	NC	0.081 J	0.072 J	0.12 U
Vinyl bromide (Bromoethene)	ppb	NC	NC	0.035 U	0.035 U	0.14 U
Vinyl chloride	ppb	2	20	0.071 U	0.071 U	0.28 U
Xylenes (total)	ppb	NC	NC	-	-	-
<i>Tentatively Identified Compounds (TIC) Volatiles</i>						
Ethanol A	ppb	NC	NC	-	-	-
Propane A	ppb	NC	NC	-	-	-
Unknown A	ppb	NC	NC	-	-	-
Unknown B	ppb	NC	NC	-	-	-
<i>Gases</i>						
Methane	%	0.05	0.05	-	-	-
<i>Field Parameter</i>						
Methane, field (unfiltered)	%	0.05	0.05	-	-	-
Methane, field (filtered)	%	0.05	0.05	0 / 0.0	0 / 0.0	0 / 0.0

Notes:

- J - The chemical was detected by the laboratory, the listed value is an approximate concentration
- JN or NJ - The listed value of the tentatively identified compound is an approximate concentration
- U - The chemical was not detected in the sample at the detection limit shown.
- UJ - The chemical was not detected in the sample at the approximate detection limit shown.
- NC - No criterion
- Not applicable.
- Concentration was greater than applicable criteria.

TABLE 1
SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>			<i>Building 13 Probe A</i>	<i>Building 13 Probe A</i>	<i>Building 13 Probe A</i>	
<i>Sample Location:</i>			<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	
<i>Sample Date:</i>			<i>1/9/2012</i>	<i>1/10/2012</i>	<i>3/15/2012</i>	
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>	<i>ODH Sub-Slab Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
<i>Volatile Organic Compounds</i>						
1,1,1-Trichloroethane	ppb	NC	NC	0.48 U	-	1.1 U
1,1,2,2-Tetrachloroethane	ppb	NC	NC	0.55 U	-	2.2 U
1,1,2-Trichloroethane	ppb	NC	NC	0.26 U	-	1.9 U
1,1-Dichloroethane	ppb	160	1600	2.3 J	-	6.5 J
1,1-Dichloroethene	ppb	NC	NC	0.41 U	-	1.1 U
1,2,4-Trichlorobenzene	ppb	NC	NC	0.69 U	-	3.5 U
1,2,4-Trimethylbenzene	ppb	NC	NC	0.72 U	-	2.2 U
1,2-Dibromoethane (Ethylene dibromide)	ppb	NC	NC	0.25 U	-	1.6 U
1,2-Dichlorobenzene	ppb	NC	NC	0.66 U	-	2.5 U
1,2-Dichloroethane	ppb	NC	NC	0.43 U	-	1.7 U
1,2-Dichloroethene (total)	ppb	NC	NC	15	-	-
1,2-Dichloropropane	ppb	NC	NC	0.19 U	-	1.9 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ppb	NC	NC	0.44 U	-	1.1 U
1,3,5-Trimethylbenzene	ppb	NC	NC	0.70 U	-	2.3 UJ
1,3-Butadiene	ppb	NC	NC	0.14 U	-	2.3 U
1,3-Dichlorobenzene	ppb	NC	NC	0.61 U	-	2.3 U
1,4-Dichlorobenzene	ppb	NC	NC	0.61 U	-	2.3 U
1,4-Dioxane	ppb	NC	NC	1.2 U	-	2.9 U
2,2,4-Trimethylpentane	ppb	NC	NC	0.50 U	-	1.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	ppb	NC	NC	0.23 U	-	7.1 U
2-Chlorotoluene	ppb	NC	NC	0.65 U	-	2.2 U
2-Hexanone	ppb	NC	NC	0.54 U	-	2.1 U
2-Phenylbutane (sec-Butylbenzene)	ppb	NC	NC	0.65 U	-	2.3 U
4-Ethyl toluene	ppb	NC	NC	0.63 U	-	2.4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppb	NC	NC	0.36 U	-	1.6 U
Acetone	ppb	NC	NC	11 J	-	50 U
Allyl chloride	ppb	NC	NC	0.26 U	-	1.7 U
Benzene	ppb	20	200	0.25 U	-	2.0 U

TABLE 1
SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>			<i>Building 13 Probe A</i>	<i>Building 13 Probe A</i>	<i>Building 13 Probe A</i>
<i>Sample Location:</i>			<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>			<i>1/9/2012</i>	<i>1/10/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>	<i>ODH Sub-Slab Action Levels (Non-residential)</i>		
		<i>a</i>	<i>b</i>		
Benzyl chloride	ppb	NC	NC	0.63 UJ	2.8 U
Bromodichloromethane	ppb	NC	NC	0.39 U	1.6 U
Bromoform	ppb	NC	NC	0.26 U	1.7 U
Bromomethane (Methyl bromide)	ppb	NC	NC	0.17 U	1.1 U
Butane	ppb	NC	NC	0.15 U	2.3 U
Carbon disulfide	ppb	NC	NC	0.91 U	1.1 U
Carbon tetrachloride	ppb	NC	NC	0.46 U	1.4 UJ
Chlorobenzene	ppb	NC	NC	0.28 U	1.7 U
Chlorodifluoromethane	ppb	NC	NC	0.47 U	2.7 J
Chloroethane	ppb	NC	NC	0.22 U	1.2 U
Chloroform (Trichloromethane)	ppb	800	8000	0.70 J	2.2 J
Chloromethane (Methyl chloride)	ppb	NC	NC	0.18 U	5.7 U
cis-1,2-Dichloroethene	ppb	370	3700	15	49
cis-1,3-Dichloropropene	ppb	NC	NC	0.22 U	2.6 U
Cyclohexane	ppb	NC	NC	0.54 U	1.4 U
Cymene (p-Isopropyltoluene)	ppb	NC	NC	0.66 U	2.0 U
Dibromochloromethane	ppb	NC	NC	0.29 U	1.5 U
Dichlorodifluoromethane (CFC-12)	ppb	NC	NC	0.57 J	2.4 U
Ethylbenzene	ppb	2500	25000	0.30 U	2.4 U
Hexachlorobutadiene	ppb	NC	NC	0.90 U	2.8 U
Hexane	ppb	NC	NC	0.36 U	1.1 U
Isopropyl alcohol	ppb	NC	NC	0.51 U	2.2 J
Isopropyl benzene	ppb	NC	NC	0.43 U	2.1 U
m&p-Xylenes	ppb	2000	20000	0.66 U	4.3 U
Methyl methacrylate	ppb	NC	NC	0.18 U	2.8 U
Methyl tert butyl ether (MTBE)	ppb	NC	NC	0.22 U	6.1 U
Methylene chloride	ppb	NC	NC	0.81 U	1.6 U
Naphthalene	ppb	29	NC	1.2 UJ	3.2 U
N-Butylbenzene	ppb	NC	NC	0.76 U	1.6 U
N-Decane	ppb	NC	NC	-	-
N-Dodecane	ppb	NC	NC	-	-
N-Heptane	ppb	NC	NC	0.14 U	1.7 U
Nonane	ppb	NC	NC	-	-
N-Propylbenzene	ppb	NC	NC	0.69 U	2.0 U
N-Undecane	ppb	NC	NC	-	-
Octane	ppb	NC	NC	-	-
o-Xylene	ppb	2000	20000	0.30 U	2.2 U
Pentane	ppb	NC	NC	-	-
Styrene	ppb	NC	NC	0.41 U	2.1 U
tert-Butyl alcohol	ppb	NC	NC	0.98 U	1.4 U

TABLE 1
SUMMARY OF SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>			<i>Building 13 Probe A</i>			<i>Building 13 Probe A</i>			<i>Building 13 Probe A</i>
<i>Sample Location:</i>			<i>2019 Dryden Road</i>			<i>2019 Dryden Road</i>			<i>2019 Dryden Road</i>
<i>Sample Date:</i>			<i>1/9/2012</i>			<i>1/10/2012</i>			<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Sub-Slab Screening Levels (Non-residential)</i>	<i>ODH Sub-Slab Action Levels (Non-residential)</i>						
				<i>a</i>	<i>b</i>				
tert-Butylbenzene	ppb	NC	NC	0.65 U	-			2.4 U	
Tetrachloroethene	ppb	250	2500	1.5 J	-			5.4 J	
Tetrahydrofuran	ppb	NC	NC	0.25 U	-			2.2 U	
Toluene	ppb	NC	NC	0.72 J	-			2.2 J	
trans-1,2-Dichloroethene	ppb	NC	NC	0.60 J	-			2.6 J	
trans-1,3-Dichloropropene	ppb	NC	NC	0.28 U	-			1.7 U	
Trichloroethene	ppb	20	200	240 ^{ab}	-			740 ^{ab}	
Trichlorofluoromethane (CFC-11)	ppb	NC	NC	0.47 U	-			0.86 U	
Trifluorotrchloroethane (Freon 113)	ppb	NC	NC	0.14 U	-			1.1 U	
Vinyl bromide (Bromoethene)	ppb	NC	NC	0.26 U	-			1.2 U	
Vinyl chloride	ppb	20	200	0.40 U	-			2.5 U	
Xylenes (total)	ppb	NC	NC	0.30 U	-			-	
<i>Gases</i>									
Methane	%	0.5	0.5	-	-			-	
<i>Field Parameter</i>									
Methane, field (unfiltered)	%	0.5	0.5	0.0	0.0			-	
Methane, field (filtered)	%	0.5	0.5	-	-			0 /0.0	

Notes:

J - The chemical was detected by the laboratory, the listed value is an approximate concentration

U - The chemical was not detected in the sample at the detection limit shown.

UJ - The chemical was not detected in the sample at the approximate detection limit shown.

NC - No criterion

-- Not applicable.

 - Concentration was greater than applicable criteria.

TABLE 2
SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>				<i>Building 13 Outdoor Air</i>	<i>Building 13</i>	<i>Building 13 IA</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>3/15/2012</i>	<i>8/7/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Indoor Air Screening Levels (Non-residential)</i>	<i>ODH Indoor Air Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
<i>Volatile Organic Compounds</i>						
1,1,1-Trichloroethane	ppb	NC	NC	0.030 U	-	0.60 U
1,1,2,2-Tetrachloroethane	ppb	NC	NC	0.061 U	-	1.2 U
1,1,2-Trichloroethane	ppb	NC	NC	0.054 U	-	1.1 U
1,1-Dichloroethane	ppb	16	160	0.026 U	-	0.52 U
1,1-Dichloroethene	ppb	NC	NC	0.032 U	-	0.64 U
1,2,4-Trichlorobenzene	ppb	NC	NC	0.098 U	-	2.0 U
1,2,4-Trimethylbenzene	ppb	NC	NC	0.12 J	-	53
1,2-Dibromoethane (Ethylene dibromide)	ppb	NC	NC	0.044 U	-	0.88 U
1,2-Dichlorobenzene	ppb	NC	NC	0.070 U	-	1.4 U
1,2-Dichloroethane	ppb	NC	NC	0.047 U	-	1.5 J
1,2-Dichloroethene (total)	ppb	NC	NC	-	-	-
1,2-Dichloropropane	ppb	NC	NC	0.052 U	-	1.0 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ppb	NC	NC	0.032 U	-	0.64 U
1,3,5-Trimethylbenzene	ppb	NC	NC	0.065 UJ	-	8.2 J
1,3-Butadiene	ppb	NC	NC	0.064 U	-	1.3 U
1,3-Dichlorobenzene	ppb	NC	NC	0.065 U	-	1.3 U
1,4-Dichlorobenzene	ppb	NC	NC	0.064 U	-	1.3 U
1,4-Dioxane	ppb	NC	NC	0.080 U	-	1.6 U
2,2,4-Trimethylpentane	ppb	NC	NC	0.25 J	-	99
2-Butanone (Methyl ethyl ketone) (MEK)	ppb	NC	NC	0.44 J	-	4.0 U
2-Chlorotoluene	ppb	NC	NC	0.063 U	-	1.3 U
2-Hexanone	ppb	NC	NC	0.058 U	-	1.2 U
2-Phenylbutane (sec-Butylbenzene)	ppb	NC	NC	0.064 U	-	1.3 U
4-Ethyl toluene	ppb	NC	NC	0.066 U	-	11
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppb	NC	NC	0.045 U	-	1.2 J
Acetone	ppb	NC	NC	3.9 J	-	28 U
Allyl chloride	ppb	NC	NC	0.048 U	-	0.96 U

TABLE 2
SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

Parameter	Units	ODH Indoor Air Screening Levels (Non-residential)		ODH Indoor Air Action Levels (Non-residential)		Building 13 Outdoor Air	Building 13	Building 13 IA
						2019 Dryden Road	2019 Dryden Road	2019 Dryden Road
						3/15/2012	8/7/2012	3/15/2012
		a	b					
Benzene	ppb	2	20	0.34	-		29 ^{ab}	
Benzyl chloride	ppb	NC	NC	0.078 U	-		1.6 U	
Bromodichloromethane	ppb	NC	NC	0.044 U	-		0.88 U	
Bromoform	ppb	NC	NC	0.048 U	-		0.96 U	
Bromomethane (Methyl bromide)	ppb	NC	NC	0.032 U	-		0.64 U	
Butane	ppb	NC	NC	15	-		270	
Carbon disulfide	ppb	NC	NC	0.031 U	-		0.62 U	
Carbon tetrachloride	ppb	NC	NC	0.086 J	-		0.76 UJ	
Chlorobenzene	ppb	NC	NC	0.049 U	-		0.98 U	
Chlorodifluoromethane	ppb	NC	NC	4.5	-		3.3 J	
Chloroethane	ppb	NC	NC	0.035 U	-		0.70 U	
Chloroform (Trichloromethane)	ppb	80	800	0.060 J	-		0.76 U	
Chloromethane (Methyl chloride)	ppb	NC	NC	0.63	-		3.2 U	
cis-1,2-Dichloroethene	ppb	37	370	0.060 U	-		1.2 U	
cis-1,3-Dichloropropene	ppb	NC	NC	0.074 U	-		1.5 U	
Cyclohexane	ppb	NC	NC	0.14 J	-		9.0 J	
Cymene (p-Isopropyltoluene)	ppb	NC	NC	0.057 U	-		1.1 U	
Dibromochloromethane	ppb	NC	NC	0.042 U	-		0.84 U	
Dichlorodifluoromethane (CFC-12)	ppb	NC	NC	0.46	-		1.4 U	
Ethylbenzene	ppb	250	2500	0.14 J	-		23	
Hexachlorobutadiene	ppb	NC	NC	0.078 U	-		1.6 U	
Hexane	ppb	NC	NC	1.3	-		46	
Isopropyl alcohol	ppb	NC	NC	0.89 J	-		14 J	
Isopropyl benzene	ppb	NC	NC	0.060 U	-		2.7 J	
m&p-Xylenes	ppb	200	2000	0.46	-		100	
Methyl methacrylate	ppb	NC	NC	0.079 U	-		1.6 U	
Methyl tert butyl ether (MTBE)	ppb	NC	NC	0.17 U	-		3.4 U	
Methylene chloride	ppb	NC	NC	8.8	-		0.90 U	
Naphthalene	ppb	2.9	NC	0.090 U	-		3.3 J ^a	
N-Butylbenzene	ppb	NC	NC	0.046 U	-		2.5 J	
N-Decane	ppb	NC	NC	-	-		-	
N-Dodecane	ppb	NC	NC	-	-		-	
N-Heptane	ppb	NC	NC	0.16 J	-		16	
Nonane	ppb	NC	NC	-	-		-	
N-Propylbenzene	ppb	NC	NC	0.056 U	-		6.0 J	
N-Undecane	ppb	NC	NC	-	-		-	
Octane	ppb	NC	NC	-	-		-	
o-Xylene	ppb	200	2000	0.14 J	-		34	
Pentane	ppb	NC	NC	-	-		-	
Styrene	ppb	NC	NC	0.058 U	-		1.2 U	
tert-Butyl alcohol	ppb	NC	NC	0.041 J	-		0.76 U	

TABLE 2
SUMMARY OF INDOOR AIR ANALYTICAL RESULTS
BUILDING 13 - 2019 DRYDEN ROAD
VAPOR INTRUSION INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

<i>Sample Location:</i>				<i>Building 13 Outdoor Air</i>	<i>Building 13</i>	<i>Building 13 IA</i>
<i>Sample Location:</i>				<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>	<i>2019 Dryden Road</i>
<i>Sample Date:</i>				<i>3/15/2012</i>	<i>8/7/2012</i>	<i>3/15/2012</i>
<i>Parameter</i>	<i>Units</i>	<i>ODH Indoor Air Screening Levels (Non-residential)</i>	<i>ODH Indoor Air Action Levels (Non-residential)</i>			
		<i>a</i>	<i>b</i>			
tert-Butylbenzene	ppb	NC	NC	0.066 U	-	1.3 U
Tetrachloroethene	ppb	25	250	0.054 J	-	0.80 U
Tetrahydrofuran	ppb	NC	NC	0.063 U	-	1.3 U
Toluene	ppb	NC	NC	3.1	-	580
trans-1,2-Dichloroethene	ppb	NC	NC	0.050 U	-	1.0 U
trans-1,3-Dichloropropene	ppb	NC	NC	0.048 U	-	0.96 U
Trichloroethene	ppb	2	20	0.097 J	-	0.98 J
Trichlorofluoromethane (CFC-11)	ppb	NC	NC	0.53	-	0.58 J
Trifluorotrichloroethane (Freon 113)	ppb	NC	NC	0.070 J	-	0.62 U
Vinyl bromide (Bromoethene)	ppb	NC	NC	0.035 U	-	0.70 U
Vinyl chloride	ppb	2	20	0.071 U	-	1.4 U
Xylenes (total)	ppb	NC	NC	-	-	-
<i>Gases</i>						
Methane	%	0.05	0.05	-	-	-
<i>Field Parameter</i>						
Methane, field (unfiltered)	%	0.05	0.05	-	-	-
Methane, field (filtered)	%	0.05	0.05	0 / 0.0	0 / 0	0 / 0.0

Notes:

J - The chemical was detected by the laboratory, the listed value is an approximate concentration

U - The chemical was not detected in the sample at the detection limit shown.

UJ - The chemical was not detected in the sample at the approximate detection limit shown.

NC - No criterion

- - Not applicable.

- Concentration was greater than applicable criteria.